

ing are the assumed apparent R.A. and N.P.D. of the stars of comparison, and the authorities for their mean places :”—

	R.A.	N.P.D.	Authority.
July 22	15 <sup>h</sup> 15 <sup>m</sup> 31 <sup>s</sup> .68	101° 49' 11".5	B.A. Catalogue.
Aug. 11	28 59.55	103 8 57.1	Bessel's Zones.
12	26 38.68	9 26.3	...
13	15 30 59.41	103 24 3.4	...

### *MAUVAINS'S Third Comet.*

On July 4, 1847, M. Mauvais discovered a Comet between *Cepheus* and *Ursa Minor*. Its place, at 13<sup>h</sup> 26<sup>m</sup> 5<sup>s</sup> Paris mean time, was

R.A. 22<sup>h</sup> 8<sup>m</sup> 13<sup>s</sup>. N. Decl. 80° 26'.

### *Observations of MAUVAINS'S Third Comet.*

BERLIN.

(Professor Encke.)

	Berlin M.T.	R.A.	Dec.
July 12	12 <sup>h</sup> 6 <sup>m</sup> 43 <sup>s</sup>	273° 20' 26".6	+85° 40' 2".5
13	11 8 29	260 28 5.7	85 36 14.7

HAMBURG.

(M. Rümker.)

	Hamburg M.T.	R.A.	Dec.
July 12	11 44 19.4	273° 23' 44".0	+85° 40' 18".6
	12 20 25.4	273 4 55.0	40 23.0
13	47 4.0	259 27 59.8	35 28.0
14	12 53 48.0	247 11 40.8	85 17 9.8
15	11 51 52.8	237 21 49.0	84 49 36.5
16	46 4.0	229 10 15.0	84 12 10.7
20	11 33 53.0	210 18 55::	81 2 34::
21	10 47 13.2	207 48 56.6	80 12 0.8
22	10 14 21.4	205 42 45.9	79 20 36.6
30	11 45 13.0	197 4 51.8	72 14 17.0
31	13 21.6	196 34 46.5	71 24 9.9
Aug. 1	32 11.8	196 7 26.6	70 32 34.0
6	11 6 22.3	194 36 51.9	66 26 39.9
7	13 12 51.0	24 17.7	65 34 54.5
9	13 3 24.6	194 5 52.2	64 5 41.6
10	10 18 28.0	193 58 39.9	63 21 17.9
11	11 8 16.7	51 24.1	62 34 25.0
12	41 17.5	45 54.0	61 48 40.0
13	31 30.4	41 37.2	61 4 54.3
14	11 23 32.7	37 47.1	60 21 47.6
15	14 12 58.2	34 33.3	59 33 43.0
16	11 7 18.5	32 51.3	58 57 13.0
17	11 30 46.0	31 17.6	58 15 18.0
18	10 47 55.1	193 29 48.0:	+57 35 29.9

## 311

	Hamburg M.T. h m s	R.A. ° ' "	Dec. ° ' "
Aug. 19	10 47 7.2	193 29 43.2	+ 56 57 59.2
21	12 7 34.1	30 19.4	55 33 43.1
23	14 3 57.3	32 19.3	54 14 12.0
26	9 2 57.6	37 42.0	52 31 2.5
27	10 19 48.4	40 5.7	51 53 58.9
30	29 24.5	49 30.6	50 9 13.4
31	10 37 19.8	193 52 31.9	49 35 18.5
Sept. 4	13 31 15.5	194 8 58.1	47 21 55.2
5	11 7 15.5	12 44.8	46 53 36.2
6	10 2 32.1	16 52.2	46 24 14.8
7	10 43 58.2	21 45.1	45 53 16.3
9	9 48 1.1	30 51.5	44 54 57.4
13	40 56.0	50 55.6	43 2 37.5
14	54 44.4	194 56 47.9	42 34 52.0
15	9 6 53.4	195 1 15.3	42 8 59.8
18	8 54 18.4	195 17 44.2	+ 40 51 9.6

*BRORSSEN's Third Comet.*

M. Brorsen, now attached to the Altona Observatory, discovered, July 20, a faint comet, the approximate place of which, at 12<sup>h</sup> 15<sup>m</sup> Altona M.T., was

R.A. 1<sup>h</sup> 49<sup>m</sup>.7. N. Decl. 26° 7'.

*Observations of BRORSSEN's Third Comet.*

## ALTONA.

(Dr. Petersen.)

		Altona M.T. h m s	R.A. ° ' "	Dec. ° ' "
July 21		12 38 8	29 4 27	.....

45 35

.....

+ 27 1 22

## HAMBURG.

(M. Rümker.)

	Hamburg M.T. h m s	R.A. ° ' "	Dec. ° ' "
July 21	13 3 43.6	29 6 23.0	+ 27 1 51.3
24	25 12.1	34 50 11.6	30 4 0.2
25	13 40 9.1	36 55 46.2	31 4 12.0
26	14 7 33.4	39 9 29.5	32 4 44.0
Aug. 1	13 16 18.4	54 23 5.1	37 28 45.2
2	12 11 39.4	57 9 18.8	38 11 38.0
3	12 39 35.0	60 12 10.0	38 52 56.0
4	11 56 36.9	63 10 18.2	39 28 4.8
6	12 23 31.0	69 33 8.4	40 26 47.5
7	14 15 30.6	73 1 19.0	40 49 7.7
8	12 24 55.5	76 2 31.2	41 3 2.8
9	20 46.6	79 16 16.9	12 46.8
10	24 18.6	82 30 57.0	16 51.6
11	12 5 14.4	85 41 27.7	+ 41 15 15.3